

2/17

```

1fm9AA00 -----
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10| 20| 30| 40| 50| 60| 70|
80| 90| 100| 110| 120| 130| 140|

1fm9AA00 -----
BAB13403 ycyhddtenslfdsrqgplwhevptacarvdalrshgypprealrlaiaivntlrrqgqkglemfrtqkk
80| 90| 100| 110| 120| 130| 140|

1fm9AA00 -----
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150| 160| 170| 180| 190| 200| 210|

1fm9AA00 -----
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10| 20| 30| 40|
:....: : : : :
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220| 230| 240| 250| 260| 270| 280|

1fm9AA00 -----
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50| 60| 70| 80| 90| 100| 110|
: : : : :
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290| 300| 310| 320| 330| 340| 3

1fm9AA00 -----
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120| 130| 140| 150| 160| 170| 180|

BAB13403 RYPRWFTLSHIESQQCElASTM-----LTAA---KGDVRRlETV--LESIQKNIHSSSHIF--
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Figure 2 Part I

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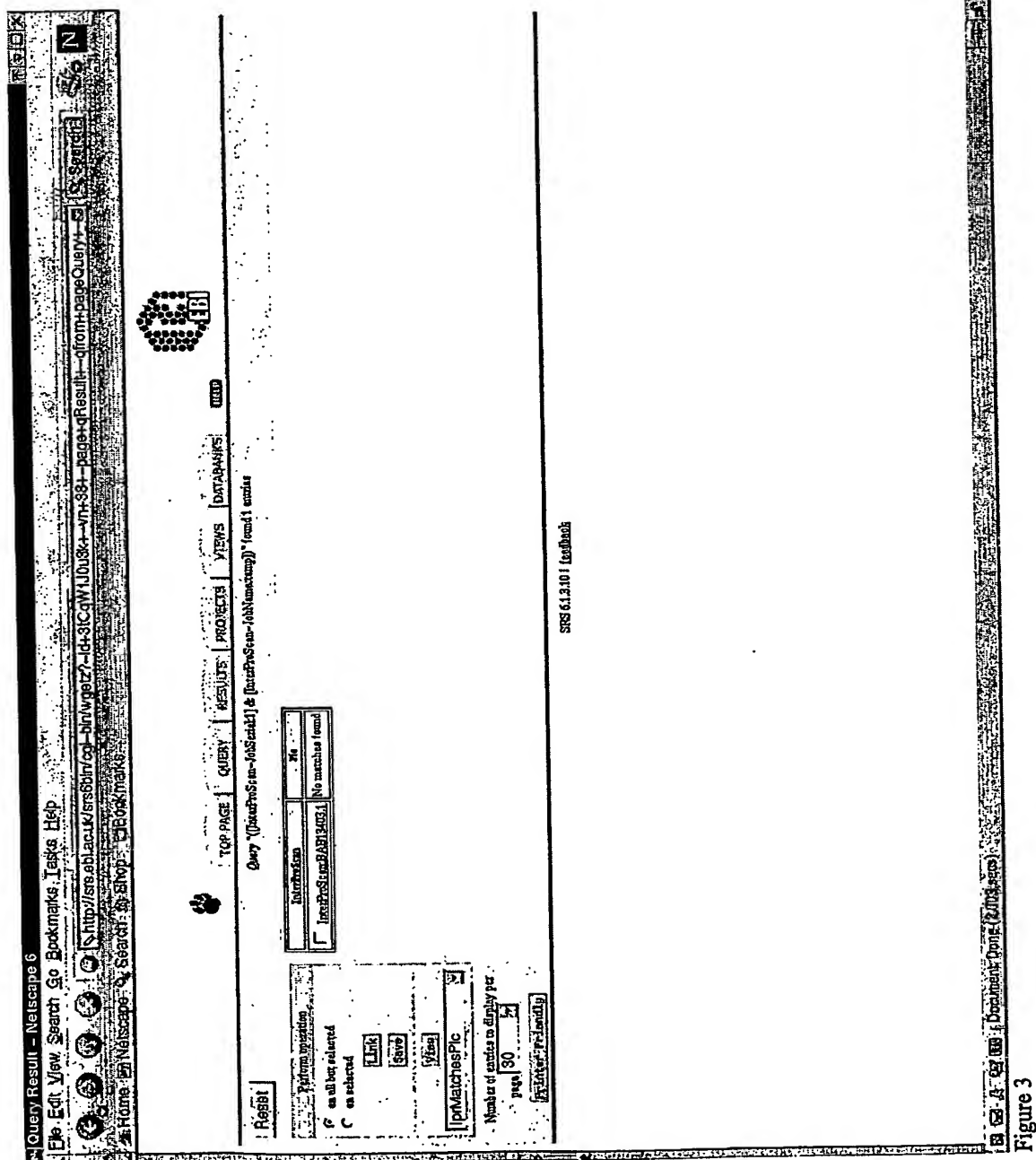
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70| 480| 490| 500| 510| 520| 530|
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40| 550| 560| 570| 580| 590| 600|
1fm9AA00 -----
BAB13403 hslgknelaaiplvvksvkatvlsdillrrctlttpgmvglhgrrnsgklmsldkaplrqlldatigay 6
10| 620| 630| 640| 650| 660| 670|
1fm9AA00 -----
BAB13403 intthsrhlthisprhysefieflskaretflmahdghiqtqfidnlkgykgkkklmmlvrerfg
80| 690| 700| 710| 720| 730| 740|

```

Figure 2 Part II

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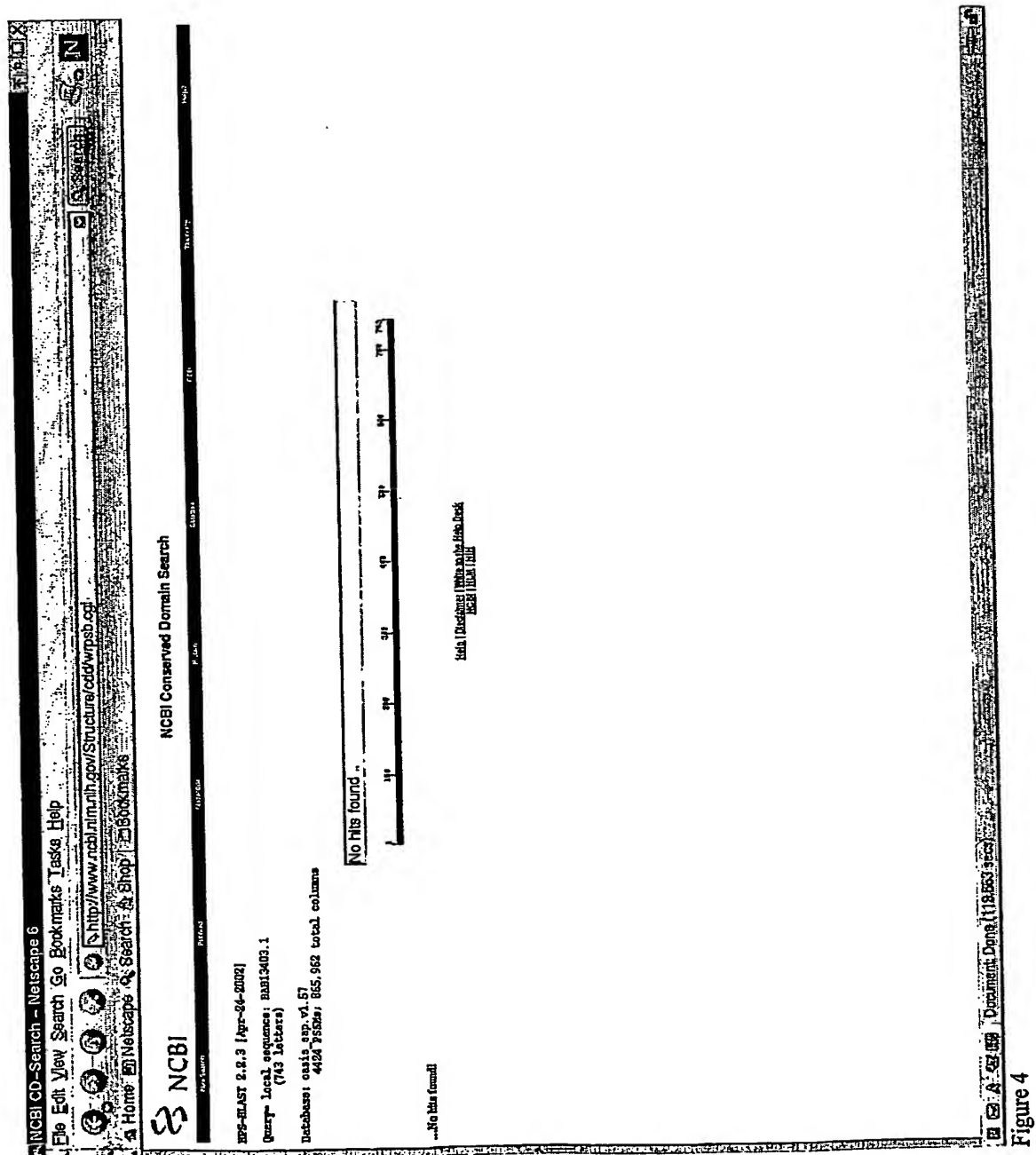


Figure 4

Figure 5

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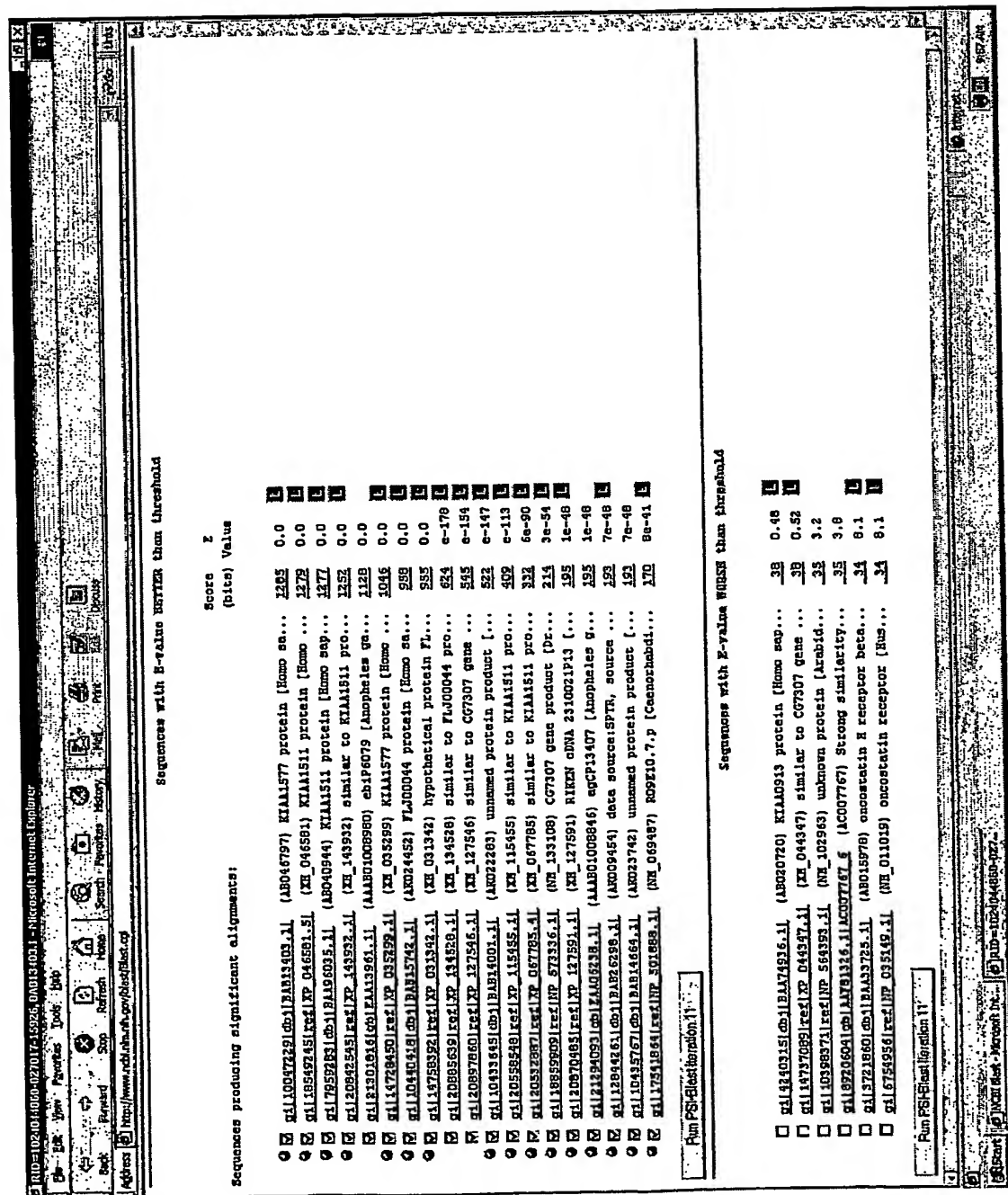


Figure 6

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NCBI Sequence Viewer - Netscape 6
 File Edit View Search Go Bookmarks Tasks Help
 http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=protein&list_uids=10047229&dopt=GenPept
 Home Netscape 6 Search 6 Shop 2 Bookmarks
 NCBI
 Protein
 Display default Save Text Add to clipboard Go Clear
 F:10047229 KIAA1577 protein [F:10047229] Linear FRI 22-FEB-2001

LOCUS BAB13403 743 aa
 DEFINITION KIAA1577 protein [Homo sapiens].
 ACCESSION BAB13403
 VERSION BAB13403.1 01:10047229
 DISORDERED Locus AB046797 accession AB045751.4
 KEYWORDS
 SOURCE human
 ORGANISM Homo sapiens
 Chromosomes: Chromosomes; Genes: KIAA1577; Enzymes: KIAA1577; Functions: KIAA1577; Locations: KIAA1577; Names: KIAA1577; Notes: KIAA1577 protein; References: KIAA1577; Taxonomy: KIAA1577; Xrefs: KIAA1577

FEATURES
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 /db_xref="taxon:9606"
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 /note="vector: pBluescriptII SK plus"
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ORIGIN
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 121 tggcggga tggcggga tggcggga tggcggga tggcggga tggcggga
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 421 tggcggga tggcggga tggcggga tggcggga tggcggga tggcggga
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 601 tggcggga tggcggga tggcggga tggcggga tggcggga tggcggga
 661 tggcggga tggcggga tggcggga tggcggga tggcggga tggcggga
 721 tggcggga tggcggga tggcggga tggcggga tggcggga tggcggga

Figure 7

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Dose response LBDG14 agonist # 1

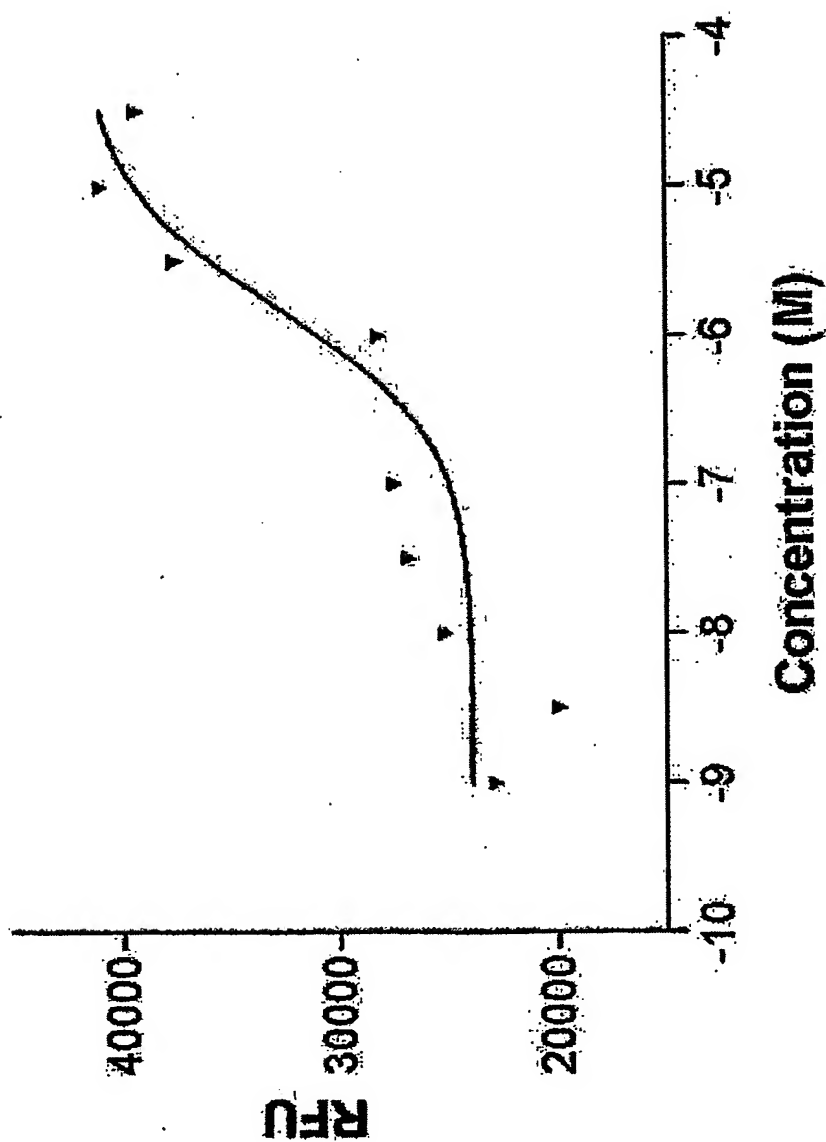


Figure 8

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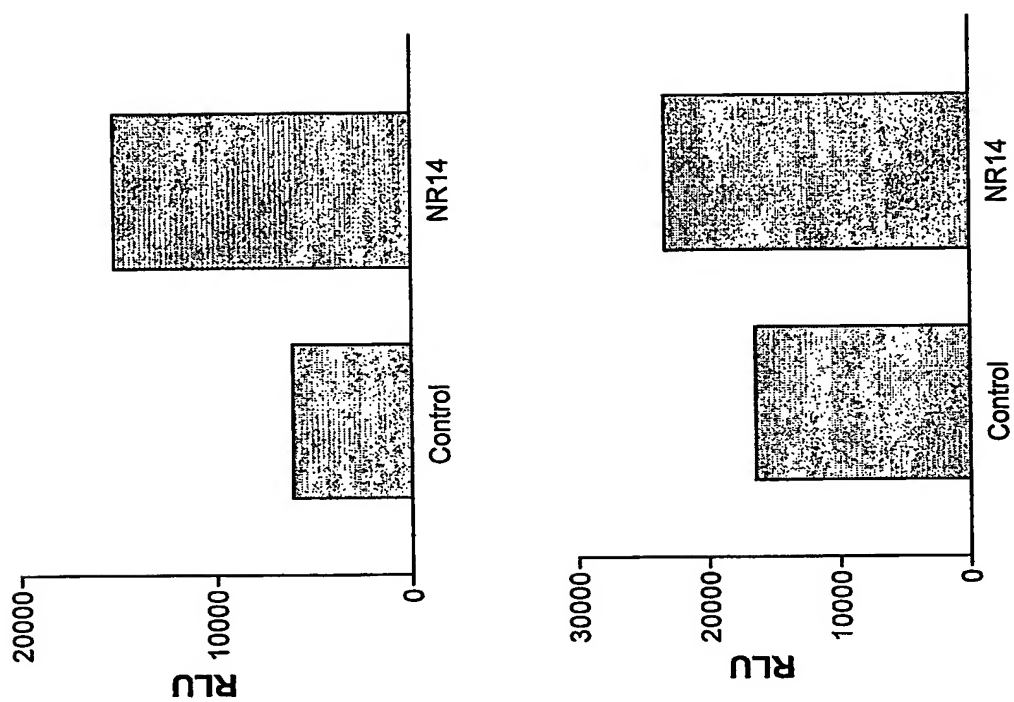


Figure 9

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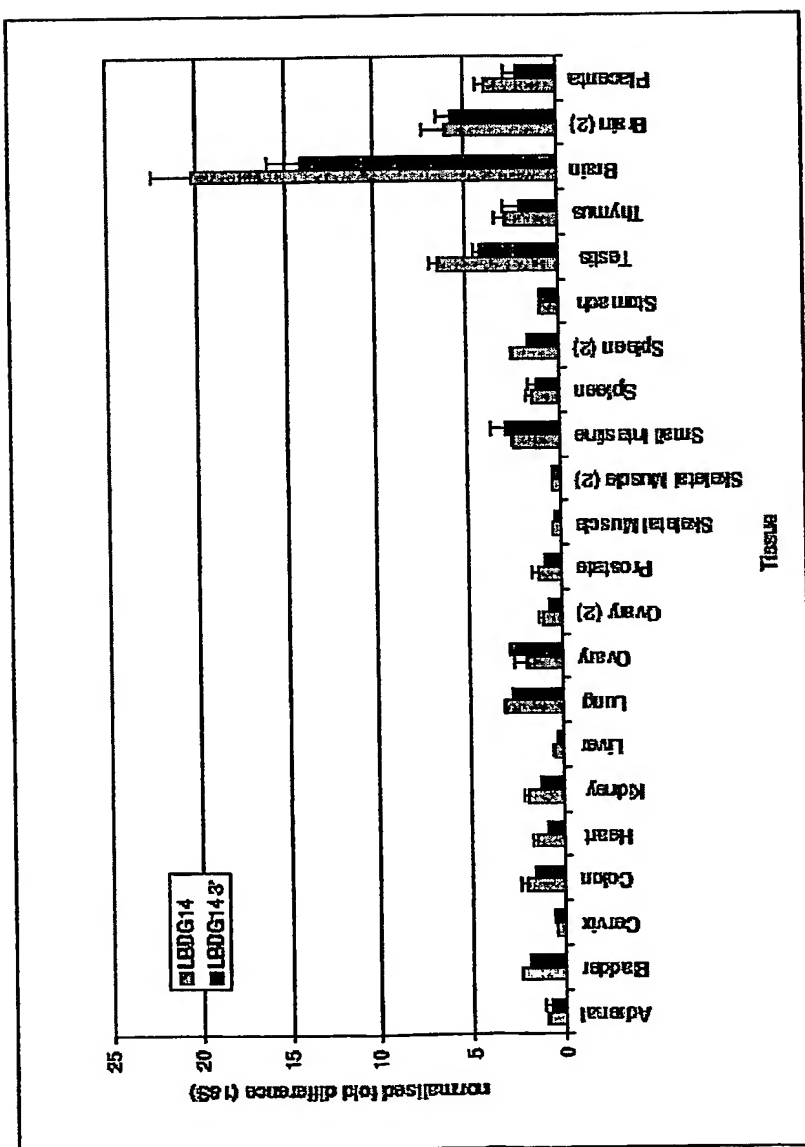


Figure 10

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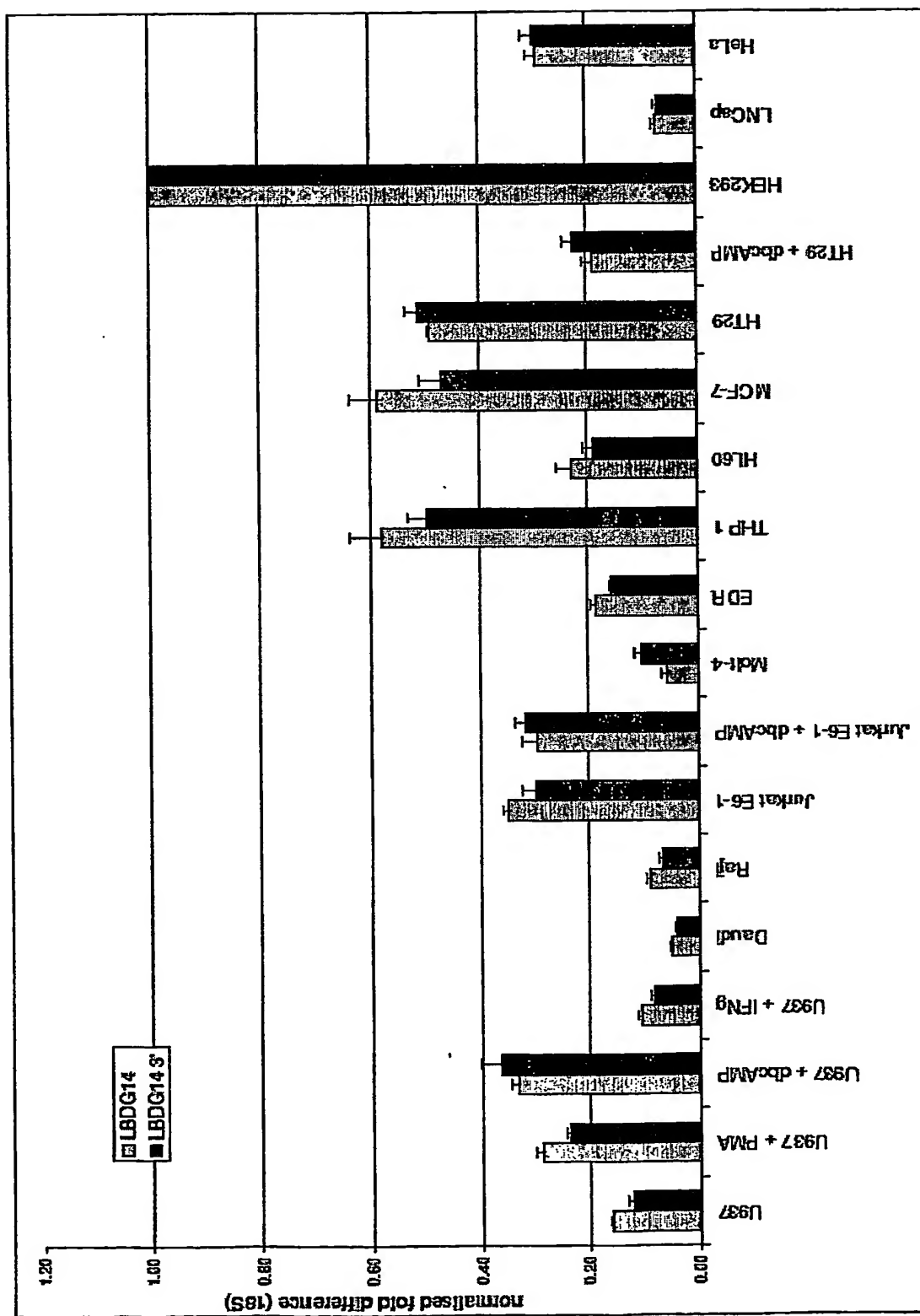


Figure 11

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NR14 Gene Expression in Normal Tissues (Probe Set 226203_at)

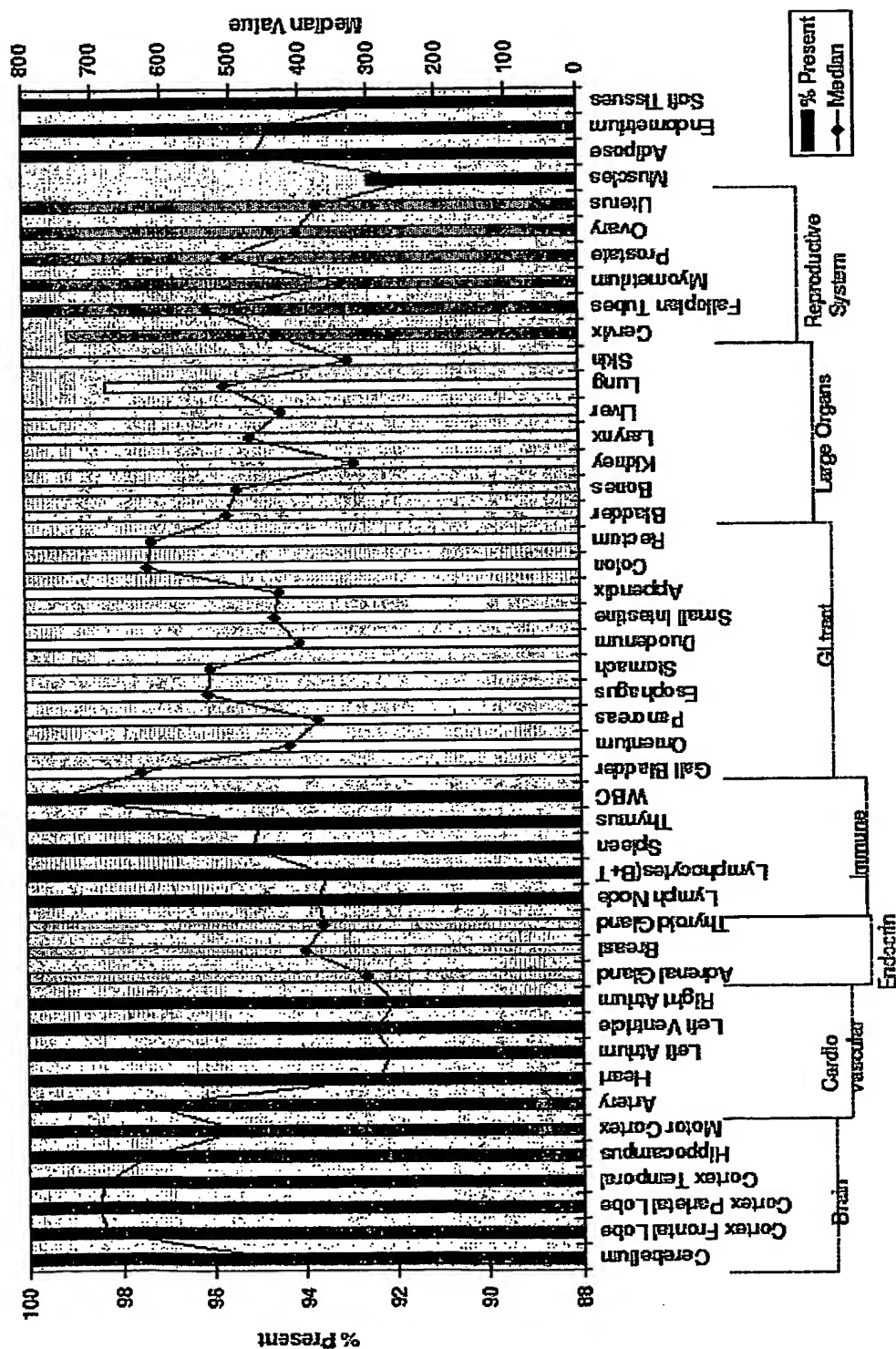


Figure 13

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Fig. 14

Affy ID	Tissue	Disease	Morphology	Mean fluorescent units for control samples	SD for controls	Number of controls	CPC%	Mean fluorescent units for disease samples	SD for disease samples	Number of disease samples	EPC%	Fold Change Disease compared to control	T-Stat
226208_at	Soft tissues, nos	Benign neoplasm of connective and other soft tissues, nos	Schwannoma, nos	446.47	235.79	6	100	1179.7	382.38	7	100	2.64	4.22
226208_at	Lung, nos	Malignant neoplasm of lung, nos	Neuroendocrine carcinoma	527.78	171.91	113	100	293.01	36.84	3	100	-1.8	-8.79
226208_at	Lung, nos	Secondary malignant neoplasm of lung, nos	Squamous cell carcinoma, nos	527.78	171.91	113	100	276.16	38.13	3	100	-1.91	-9.21
226208_at	Stomach, nos	Malignant neoplasm of stomach, nos	Sarcoma, nos	567.17	182.9	53	100	972.59	400.57	8	100	1.72	2.82
226208_at	Small Intestine, nos	Malignant neoplasm of small Intestine, nos	Sarcoma, nos	453.79	139.29	81	100	1074.08	303.6	4	100	2.37	4.07
226208_at	Small Intestine, nos	Malignant lymphoma, nos of unspecified, extranodal or solid organ site	Malignant lymphoma, nos	453.79	139.29	81	100	272.87	117.85	7	85.71	-1.66	-3.84
226208_at	Colon, nos	Secondary malignant neoplasm of colon, nos	Adenocarcinoma, nos	632.74	157.12	188	100	358.15	99.67	3	100	-1.77	-4.68
226208_at	Colon, nos	Malignant lymphoma, nos of unspecified, extranodal or solid organ site	Malignant lymphoma, nos	632.74	157.12	188	100	267.11	60.47	3	100	-2.37	-8.95
226208_at	Kidney, nos	Malignant neoplasm of kidney, nos	Wilms' tumor	354.18	120.42	94	100	671.87	95.69	8	100	1.9	8.81
226208_at	Kidney, nos	Benign neoplasm of kidney, nos	Oncocytoma	354.18	120.42	94	100	583.81	276.66	10	100	1.65	2.6
226208_at	Testis, nos	Malignant neoplasm of testis, nos	Seminoma, nos	388.96	109.77	8	100	254.38	105.58	8	87.5	-1.53	-2.5
226208_at	Neutrophils		Activated neutrophils (Yersinia)	1736.4	1083.98	5	100	3897.07	679.19	7	100	2.24	3.94

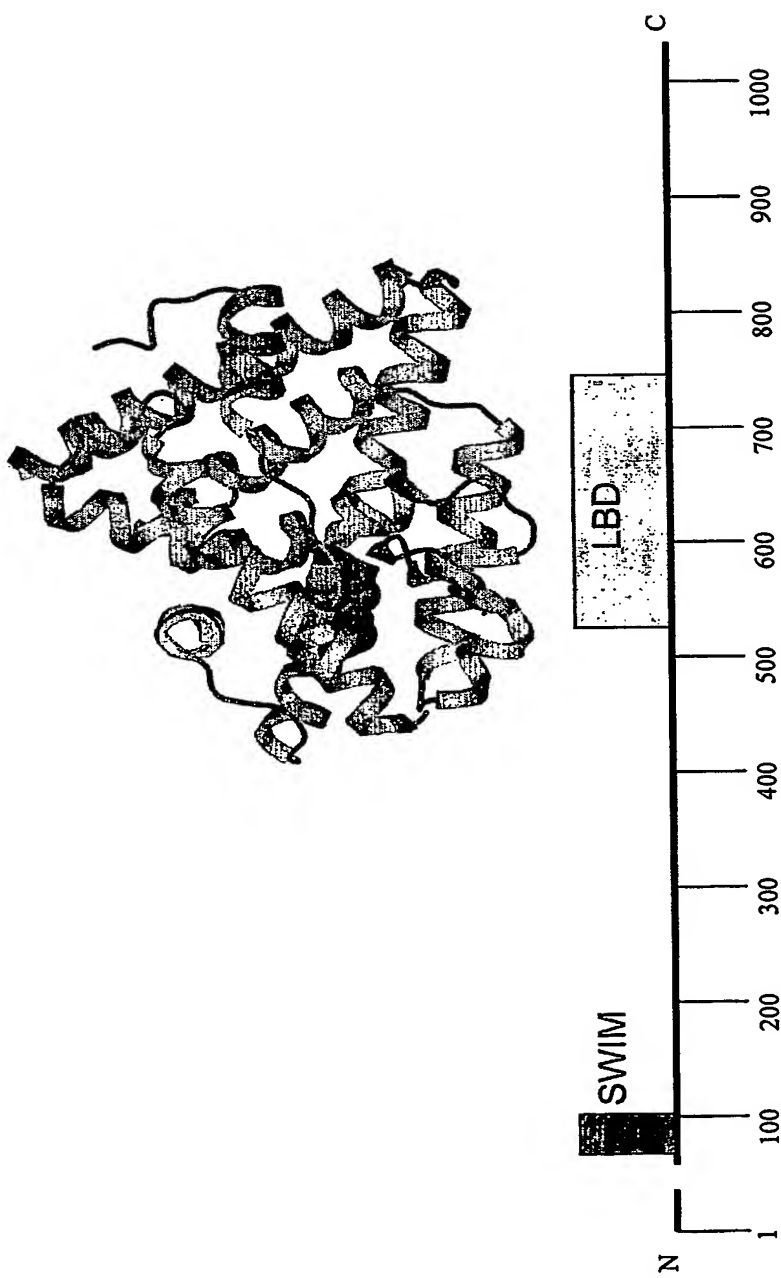


Figure 15

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Figure 16: Alignment of original sequence prediction (SEQ ID NO: 2) with the extend d sequence prediction (SEQ ID NO: 32)

```

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BAB13403.1     -----
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LBDG14_FL      TEVLPTAQLADEILSQNSEINQVHGAPDPTAGASIDDENCWHLDEEQVQEQVKLFLSQG 180
BAB13403.1     -----
               :. :.:... :.. :.:... .. :.:..... :. .... : . : :
LBDG14_FL      GYHGSQKQLNLLFAKVREMLKMRDSNGARMLTLITEQFMADPRLSLWRQQTAMTDKYRQ 240
BAB13403.1     -----
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LBDG14_FL      LWDELGALWMCIVLNPHCKLEQKASWLKQLKKWNSVDVCPWEDGNHGSSELPNLTNALPQG 300
BAB13403.1     -----NSVDVCPWEDGNHGSSELPNLTNALPQG 27
               .. :. : . . . . :.: : .. .. *****
LBDG14_FL      ANANQDSSNRPHRTVFTRAIEACDLHWQDHLQHISSDLYTNYCYHDDTENSIFDSRGW 360
BAB13403.1     ANANQDSSNRPHRTVFTRAIEACDLHWQDHLQHISSDLYTNYCYHDDTENSIFDSRGW 87
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LBDG14_FL      PLWHEHVPTACARVDALRSHGYPREALRLAIAIVNTLRRQQQKQLEMFRQKQKELPHKNI 420
BAB13403.1     PLWHEHVPTACARVDALRSHGYPREALRLAIAIVNTLRRQQQKQLEMFRQKQKELPHKNI 147
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LBDG14_FL      TSITNLEGWVGHPDPVGTLFSSLMACRIDDENLSGFSDFTENMGQCKSLEYQHLPAHK 480
BAB13403.1     TSITNLEGWVGHPDPVGTLFSSLMACRIDDENLSGFSDFTENMGQCKSLEYQHLPAHK 207
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LBDG14_FL      FLEEGESYLTAVEVALIGLGQQRIMPDLGYTQEKVCRNEEQLSKLEIQLDDTLVKIF 540
BAB13403.1     FLEEGESYLTAVEVALIGLGQQRIMPDLGYTQEKVCRNEEQLSKLEIQLDDTLVKIF 267
               *****
LBDG14_FL      RKQAVFLLLEAGPYSGLGEIITHRESVPMHTFAKYLFTSLLPHDAELAYKIALRAMRLLVLE 600
BAB13403.1     RKQAVFLLLEAGPYSGLGEIITHRESVPMHTFAKYLFTSLLPHDAELAYKIALRAMRLLVLE 327
               *****
LBDG14_FL      STAPSGDLTRPHHIASVVPNRYPRWFTLSHIESQQCELASTMLTAAGDVRRLLETVLESI 660
BAB13403.1     STAPSGDLTRPHHIASVVPNRYPRWFTLSHIESQQCELASTMLTAAGDVRRLLETVLESI 387
               *****
LBDG14_FL      QKNIHSSSHIFKLAQDAFKIATLMDSLPDITLLKVSLELGLQVMRMTLSTLNWRRREMVR 720
BAB13403.1     QKNIHSSSHIFKLAQDAFKIATLMDSLPDITLLKVSLELGLQVMRMTLSTLNWRRREMVR 447
               *****
LBDG14_FL      WLVTCAVEGVYALDSIMQTWFTLFTPTAETSIVATTVMNSSTIVRLHLDCHQKEKCLASS 780
BAB13403.1     WLVTCAVEGVYALDSIMQTWFTLFTPTAETSIVATTVMNSSTIVRLHLDCHQKEKCLASS 507
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LBDG14_FL      ARTLALQCAMKDPQNCALSALTLCCKDHIAFETAYQIVLDAATTGMSYQLFTIARYMEH 840
BAB13403.1     ARTLALQCAMKDPQNCALSALTLCCKDHIAFETAYQIVLDAATTGMSYQLFTIARYMEH 567
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BAB13403.1     RGYPMRAYKLATLAMTHLNLSYNQDTHPAINDVLWACALSHSLGKNELAAIPLVVKSVK 627
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LBDG14_FL      CATVLSLILRRCTLTTPGMVGLHGRNSGKLSLDKAPLRQLLDATIGAYINTTHSRLTH 960
BAB13403.1     CATVLSLILRRCTLTTPGMVGLHGRNSGKLSLDKAPLRQLLDATIGAYINTTHSRLTH 687
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BAB13403.1     ISPRHYSEFIEFLSKARETFLMAHDGHIQFTQFIDNLKQIYKGKKKLMMLVRERFG 743
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